

Present Knowledge of Petroleum Asphalt,  
by P. W. Sherwood, 7 pp.

ITALIAN, per, Rivista dei Combustibili,  
Vol XIII, No 6, 1959, pp 443-449.

AMS-86W42I

Sci  
Vol IV, No 7  
Apr 62

193,851

New Chemical Processes for Sweetening Without Hydrogen,  
by P. W. Sherwood, 4 pp.

GERMAN, no per, Erd Oel & Kohle, Vol. IX, No 3, 1956,  
pp 162-166.

Tech and Comm Tr

Sci - Chemistry

37,291

\$80.00

Aug 56 OWS/Dex

Chemical Processing of Acetone, by P. W. Sherwood.

GERMAN, per, Erdol und Kohle, Vol VIII, No 12, 1955;  
pp 884-888.

35,607

Tech and Comm Tr  
\$60.00

Scientific - Chemistry

Extraction, Adsorption, and Thermal Processes for  
Sweetening Without Hydrogen, by P. W. Sherwood

GERMAN, no per, Erdool und Kohle, Vol IX, No 5,  
1956, pp 308-310.

Tech and Comm Tr \$60.00

Sci - Fuels  
Nov 56 CES

40,601

<p><u>Sherwood, Peter W.</u> TREATMENT OF REFINERY WASTE WATERS WITH ACTIVATED SLUDGE. [1960] 9p. 7 ref's. No. T-599. Order from SLA mi\$1.80, ph\$1.80 60-18445</p> <p>Trans of Erdöl und Kohle (West Germany) 1958, v. 11, no. 12, p. 868-872.</p> <p>(Engineering--Sanitation, TT, v. 5, no. 4)</p>	<p>60-18445</p> <ol style="list-style-type: none"><li>1. Sanitary engineering-- Germany</li><li>2. Petroleum--Processing</li><li>3. Sewage--Disposal</li></ol> <ol style="list-style-type: none"><li>I. Sherwood, P. W.</li><li>II. Trans-T-599</li></ol> <p>Office of Technical Services</p>
--	---

Classification of Weather Types at Aikawa,  
by Shinzo Shashino, 22 pp.

JAPANESE, par, Journal of Meteorological  
Research, Vol X, No 8, 1978, pp 686-692. 9687469

EC 8410-36

Sci - Earth Sci & Astron  
Aug 63

343,367

<p>Sheshin, V. METHODS OF DETERMINING GROSS ERRORS IN GEODETIC OPERATIONS [PT. 1]. Trans. on Soviet Geodesy 1925-40. 17 Mar 61 [11 p. JPRS: R-109-N/66. Order from LC or SLA mi\$2.40, ph\$3.30 61-19170</p> <p>Trans. of Geodezist (USSR) 1931 [v. 7] no. 11/12, p. 37-43.</p> <p>(Unannounced)</p>	<p>61-19170</p> <p>I. Geodesics--Errors 1. Sheshin, V. II. Title: Soviet... III. JPRS-R-109-N/66 IV. Joint Publications Research Service, New York</p> <p>Office of Technical Services</p>
--	--

61-19298

Sheshin, V.  
METHODS OF DETERMINING BAD ERRORS IN  
GEODETIC WORK (CONTINUATION). DETERMI-  
NATION OF A WRONG ANGLE BY THE METHOD  
OF COUNTER TRAVERSE. Trans. on Soviet Ge-  
odesy 1925-40. 7 Apr 61 [14]p. 1 ref. JPRS:  
R-110-N/51.  
Order from LC or SLA ml\$2. 40, ph\$3. 30 61-19298

- I. Geodesics--Errors
- I. Sheshin, V.
- II. Title: Determination...
- III. Title: Soviet...
- IV. JPRS-R-110-N/51
- V. Joint Publications Research  
Service, New York

Office of Technical Services

(Unannounced)



THE RESULTS OF DOSEMETRIC MEASUREMENTS IN  
THERAPEUTIC WORK WITH RADIO-ACTIVE IODINE, BY  
G. A. SHEKHINA, N. S. RASTATUROV, ET AL, 6 PP.

RUSSIAN, PER, MEDIT RADIOLOGIYA, VOL VIII, NO 9,  
1968, PP 44-48.

JPRS 22119

SCI-BIOL & MED SCI  
DEC 63

243,007

THE GENESIS OF PORPHYRINS IN CRUDE OILS, by  
O. A. Radchenko, L. S. Sheshina

RUSSIAN, thrice-no per, Dok Ak Bank SSSR,  
Vol OV, No 6, 1955, pp 1285-1288.

Assoc Tech Sv RJ-480  
\$6.15

Sci - Chemistry, geology  
Jan 57 CTS

42,170

The Primary Type of Oil During the Period of  
Formation of an Oil Deposit, by O. A. Radchenko,  
L. S. Sheshina.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CIX, No 3,  
1956, pp 614-616.

Assoc Tech Sv RJ-734

~~XXX~~

\$5.10

Sci - Fuel  
Aug 57

51,734

<p>Shestukova, M. STUDY OF THE PRODUCTS OBTAINED BY THE ACTION OF CHLORINE ON VARIOUS BUTYLENES. [1963] 52p 42rads Order from OTS, SLA, or ETC \$5.60 TT-64-10278</p> <p>Trans. of [Russkoe Fiziko-Khimicheskoe Obshchestvo. Zhurnal] 1964, v. 16, p. 478-511.</p> <p>(Chemistry--Organic, TT, v. 11, no. 11)</p>	<p>TT-64-10278</p> <p>I. Shestukova, M.</p> <p>1284998</p> <p>Office of Technical Services</p>
---	--

Determination of Columbium in [Pig and Cast] Irons,  
by A. I. Poncmarev, A. Ya. Sheskol'skaya.

RUSSIAN, per, Trudy Inst Metallurg imeni A. A. Baikova  
No 4, 1960, pp 240-242.

HB 5129

Sci  
Aug 61

163,188

Determination of Niobium in the Presence of Large  
Amounts of Titanium, by A. I. Ponomarev and A. Ya.  
Sheskolskaya, 4 pp.

RUSSIAN, per, Zhur Anal Khim, Vol XII, No 3, 1957,  
pp 355-358.

Consultants Bur

Sci - Chem

May 58

64,883

The Benzate Method of Aluminum Determination, by  
A. I. Ponomarev, A. Ye. Sheslolskaya, 4 pp.

RUSSIAN, bimo per, Zhur Anal Khim, Vol XI, No 1,  
Jan/Feb 1956, pp 102-105. CIA 542769 C, reel 4.

Consultants Bureau

Sci - Chemistry

37,388

Aug 1956

Determination of Niobium in the Presence of  
tungsten by Means of Cupferron, by A. I. Ponomarev,  
A. Y. Sheskol'skaya.

RUSSIAN, per, Zhur Anal Khim, Vol XIV, No 1,  
1959, pp 67-70.

DSIR LLJ M.1253  
(loan)

Sci - Chem

128,763

Oct 60



Determination of Niobium in the Presence of  
Tungsten by Means of Cupferron, by A. I.  
Ponomarev, A. Y. Shesholskaya, 9 pp.

RUSSIAN, per, Zhur Anal Khim, Vol XIV, No 1,  
1959, pp 67-70.

SLA 60-15780

Sci

OTS, Vol IV, No 3

Sep 60

129,392

Conference of Chiefs of Five Experimental  
Stations, by A. Shestakov. USCL

RUSSIAN, per, Pozh Dveto, No 9, 1958, p 25.

DSIR/3680/CT

Sci - Engr  
Nov 59

79,793

Shestakov, A. A.  
ON THE ASYMPTOTIC BEHAVIOR OF THE SOLUTIONS TO MULTIDIMENSIONAL SYSTEMS OF ORDINARY DIFFERENTIAL EQUATIONS HAVING A SINGULAR POINT OF HIGHER ORDER. [1960] [10]p. 2 refs.

Order from LC or SLA mi\$1.80, ph\$1.80 61-10711

Trans. of Akademiya Nauk SSSR. Doklady, 1960, v. 131, no. 5, p. 1038-1041.

Detailed results on the asymptotic behavior trajectories in the neighborhood of a singular point are presented. It is assumed that the linear terms in the expansion about the singular point of the right hand side of the autonomous system of differential equations are absent. (Author)

(Mathematics, TT, v. 5, no. 9)

61-10711

1. Differential equations--  
Theory
1. Shestakov, A. A.

Office of Technical Services

ASYMPTOTIC BEHAVIOR OF SOLUTIONS OF A MANY-  
DIMENSIONAL SYSTEM OF DIFFERENTIAL EQUATIONS  
HAVING A SINGULAR POINT OF HIGHER ORDER, BY  
A. A. SHENKIN, 37 P.

RUSSIAN, PER, SINGULAR MATHEMATICHESKIY JOURNAL,  
VOL. 11, NO. 3, 1961, PP. 767-788.

V  
Sensitivity of Plants to the Effect of  
Radiophosphorus at Various Stages of Growth,  
by A. G. Shestakov, G. F. Ivanova, N. I.  
Shmel'kova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CII,  
No 5, pp 1043-1046.

Sci Mus Lib 55/3273

31,760

Sci - Biology

Table of Contents and abstract of  
Agronomical Chemistry, by A. G. Shestakov

RUSSIAN, <sup>65</sup> ~~per~~, Moscow 1954, pp 431. CIA D  
432352 Agronom Khim

USDA

Scientific - Biology

32,306

Mar 56

Fifth Five-Year Plan of the Developments of USSR,  
by A. G. Shestakov

<sup>per IZ</sup>  
RUSSIAN, ~~Timiriachevskia~~, Sel'skoi ~~Ekhoz Akad~~ <sup>Ekhoz Akad</sup>,  
Vol 2, No 3, 1953, pp 65-76. CIA D 432333

USDA

USSR  
Scientific - Biology

32,284

Mar 56

The Action of Radiophosphorus on the Growth and Development of Oats Under Various Conditions of Phosphorus Uptake, by A. G. Shestakov, G. F. Ivanova, N. I. Shmelkova, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CII, No 2, 1955, ~~XXXX~~ pp 395-397.

Sci Mus Lib 55/2505

Sci - Chemistry ;

*29,905*



Press Welding of Rolled Sections of Aluminum-  
Magnesium Alloys, by A. I. Shestakov,  
A. A. Rossoshinskiy, 1406 pp.

RUSSIAN, per, Avtomaticheskaya Svarka, No 5,  
1962. 9682738

FTD-TT-62-1247

Sci-Engr  
May 63

229,530

57  
Method of Applying Diffusion Coatings to  
Graphite, by G. V. Zenskoy, A.I. Shestakov,  
2 pp.

RUSSIAN, Patent No 184093 (809735/22-2),  
20 Mar 1964  
AIR/PTD/RT23-1347-67

Sci-Materials  
Nov 68

366,269

A.I. Shestakov

Programmed Instruction and Cybernetic Teaching 4053  
Machines; Collection of Scientific & Technical  
Articles, by A. I. Shestakov.

RUSSIAN, bk, Programirovannoye Obucheniye i  
Kiberneticheskiye Obuchayushchiye Mashiny Sbornik  
Statey, Moscow, 1963, pp  
\*FTD-MT-67-30

*A. I. Shestakov*

Sci/B&M  
Aug 67

DONETS SODA AND FERRITE FURNACES NOW BURNING  
GAS, BY A. S. SHESTAKOV, YE. N. OVEYANNIKOV,  
5 PP.

UKRAINIAN, PER, URIN PRON, NO 2, 1963,  
PP 76-77.

JPRS 20637

USSR  
ECON

AUG 63

238,693

Use of Gamma Rays for Determination of Surface Tension  
and Contact Angle at High Temperatures, by D. M.  
Ziv, B. I. Shastakov, 4 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XXXII, No 8, 1959,  
pp 1767-1770.

(2)

Sci  
May 62

195,290

Use of Gamma Rays for Determination of Surface  
Tension and Contact Angle at High Temperatures,  
by D. M. Ziv, B. I. Shestakov, 4 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XXXII, No 3,  
1959, pp 1767-1770.

CB

Scl

Aug 60

123,695

The Problem of Interpretation of Lead Ages,  
by K. K. Zhirev, G. L. Shestakov, 10 pp.

RUSSIAN, per, Geochim, No 1, 1961.

Geochim Soc

Sci

Nov 62

216,525

On the Graphic Analysis of Discrepancies of  
Lead-Uranium Ages, by G. I. Shestakov, I. B.  
Ivanov, 5 pp.

RUSSIAN, per, Geokhim, No 3, 1961.

Geochem Soc

Sci

Nov 62

216,545



The Effect of the Type of Ions on the Nature of  
Changes of Electrical Properties of Semiconductor  
Surfaces Produced by Irradiation with Ions of  
Medium Energies, by M. M. Bredov, V. A. Lopilin,  
I. B. Shestakov, 4 pp.

RUSSIAN, per, Fiz Tverdogo Tela, Vol III, No 1,  
1961, pp 267-274.

AIF  
Sov Phys-Solid State  
Vol III, No 1

Sci  
Jul 61

161,190

Structure and Properties of Alloys [and Steels]  
After Vibrational Working, by S. N. Shestakov,  
M. Ya. Karapov.

RUSSIAN, per, Metal i Obra Metallov, No 7, 1958,  
pp 35-38.

Henry Bratcher 4281  
\$3.25

Sci - Min/Met

84,263

Apr 59

Vibro-Forging of Aluminum Alloys, by M. Ya. Karginov,  
S. N. Shestakov, 4 pp.

RUSSIAN, per, Metal i Termicheskaya Obra Metallov,  
No 1, 1959, pp 57-59.

Henry Bratcher

Sci - Min/Met

Sep 79

96,073

S-460/60

(NY-4375)

On the Forms of Coronary Insufficiently  
Intermediate Between Uncomplicated Angina  
Pectoris and the Infarct of the Myocardium,  
by S. V. Shestakov, 12 pp.

RUSSIAN, per, Terapev Arkhiv, Vol XXXII, No 4,  
1960, pp 18-26.

JPRS 5335

Sci - Med

Aug 60

124, 121

Heat Treatment of Cast Magnesium Alloy ML-5  
In Protective Gases, by I. A. Makolkin and  
S. N. Shestakov, 8 pp.

RUSSIAN, no per, Zhur Prikl Khim, Vol XXVII,  
No 4, Apr 1954, pp 421-424. CIA C 38934

Consultants Bureau

Scientific - Chemistry

27,011  
CTS 73/Oct 55

Shestakov, S. V.  
THE PREVENTION OF MYOCARDIAL INFARCTS.  
[1961] 15p. 49 refs. [NH] no. 40.  
Order from OTS or SLA \$1.60

62-15141

Trans. of Klin[icheskaia] Med[itaina] (USSR) 1956,  
v. 34, no. 1, p. 35-42.

DESCRIPTORS: \*Heart, \*Cardiac muscle, \*Arterio-  
sclerosis, Preventive medicine, Diseases, Etiology.

The prevention of myocardial infarction has to be  
undertaken on the basis of an understanding of the  
etiology and pathogenesis of this process. In so far  
as coronary insufficiency may be due to the large role  
played by disturbances of the highest levels of nervous  
activity, preventive measures must be directed to  
restoring the highest nervous activity into normal  
channels. Atherosclerosis of the coronary vessels is  
(Biological Sciences--Pathology, TT, v. 8, no. 1)

(over)

62-15141

I. Shestakov, S. V.  
II. NH-40  
III. National Institutes of  
Health, Bethesda, Md.

209401

Office of Technical Services

Properties of Pyruvate Dehydrogenase of Skeletal  
Muscle, by S. E. Severin, S. V. Shestakov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, No 6, 1961,  
pp 1452-1455.

AIDS

Sci

Mar 62

189, 212

Algebraic Method of Designing Sequential  
Relay Systems, by V. I. Shestakov, 6 pp.

RUSSIAN, per, Dok. Ak. Nauk SSSR, Vol. XCIX,  
No. 6, 1954, pp. 987-990.

MDF S-106  
9093119

Sci  
Nov 61

173,346



(NY-5230)

On the Synthesis of Hybrid  $n$ -Class Switching Systems  
by V. I. Shestakov, 113 pp.

<sup>per,</sup>  
RUSSIAN, Is Vyshikh Ucheb Zaved, MVO, Ser Radiofiz,  
Vol III, No 3, 1960.

JPRS 7375

147,734

Sci

Apr 61

On the Transformation of a Monocyclic Sequence  
into a Recurrent, by V. I. Shestakov, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCVIII,  
No 4, 1954, pp 541-544.

MDF 8-107

Sci ~ *Electron*  
Jul 61

/61,386

Punched Card Method of Synthesising Sequential  
Systems of Multiposition Relays, by V. I. Shestakov,  
10 pp.

RUSSIAN, per, Avtomat i Telemekh, Vol XX, No 11, 1959;  
pp 1496-1506.

Instr Soc of Amer

Sci - Eng  
Jul 60

120,934

On the Book "Elements of Structural Synthesis of  
Relay Control Circuits" by V. N. Roginskiy, V. I.  
Shestakov, 4 pp

RUSSIAN, per, Avtomat i Telemekh, Vol XXI, No 7,  
1960, pp 1090-1093

ISA

Sci  
Apr 61

144,645

A Punched Card Method for Synthesizing Sequential  
Relay Systems, by V. I. Shestakov, 12 p.

RUSSIAN, par, Avtomat i Telemekh, Vol XIX, No <sup>6</sup> 6,  
1958, pp 592-605.

Instru Soc of Amer

Sci  
Apr 60

111, 784

Determination of the Optimum Temperature Conditions in Operating Catalytic Apparatus for the Oxidation of Sulfur Dioxide, by V. I. Shestakov, D. P. Terent'ev.

RUSSIAN, per, Khim Prom, No 6, 1958, pp 350-354.

ATS RJ-1972

Sci - Chem

Jan 60

105,762

Algebraic Method ~~of~~ Designing Sequential  
Relay Systems, by V. I. Shestakov, 6 pp.  
D

RUSSIAN, per, ~~ok~~ Ak Nauk SSSR, Vol XCIX,  
No 6, 1954, pp 987-990.

MDP 8-1106

Sci - math  
Jul 61

161, 384

Algebraic Method for the Synthesis of Multi-Cycle  
Systems of  $r$ -Position Relays, by V. I. Shestakov,  
4 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CXII,  
No 1, pp 62-65.

1957,

Consultants Bureau

55,967

Sci - Physics  
Dec 57



Filtration Investigations of the Tailing Reservoir in  
the Kadzharan Copper-Molybdenum Combine, by V. M.  
Shestakov, 5 pp

RUSSIAN, per, Tsvetnye Metally, No 5, 1960, pp 10-14.

Primary Sources

Sci  
Nov 60

132,936

Investigation of the Internal Cinematics of  
the Unsteady Filtration of a Flow, and Derivation  
of an Equation for Unsteady Filtration, by  
V.M. Shestakov, 10 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XCI,  
No 5, 1953, pp 1047-1050.

Sci Tr Center  
RT-1074

Sci - Physics  
Oct 1956 CTS/dex

39,856

The Problem of Dissolving and Reconstituting  
Collagen, by A. A. Golovtseva,  
I. S. Shestakova, 9 pp.  
RUSSIAN, per, Iz Vyssh Ucheb Zaved, Tokh  
Log. Proc., No 5, 1963, pp 62-67.  
CIA/PDD IX-1733  
NO FOREIGN DISSEM

Sci  
Aug 65  
OSIB Internal Use Only

287,610

(NY-6569)

Hygienic Evaluation of Various Working Routines  
for School Undergraduates at Farm Camps,  
by A. D. Mhrantsova, L. V. Shestakova, 8 pp.

RUSSIAN, per, Gig i San, No 5, 1961,  
pp 102-105.

JPRS 10356

ESSIR

173,575

Soc Nov 61

Removal of Impurities from Phenylethyl Alcohol by  
Extraction with Double Solvents in an Injector  
Column, by E. N. Kiseleva, N. I. Gel'perin,  
V. A. Shestakova, 5 pp.

RUSSIAN, per, Zhur Prikl Khim, XXXIV, No 1, 1961,  
pp 167-172.

CB

Sci

183,806

Mar 62

Experiment in Compilation of a Map of the  
Murmanskaya Oblast at a Scale of 1:750,000, by  
G. Shestakovskaya, 5 pp.

RUSSIAN, per, Geodesist, No 5, 1940, pp 71-74.

JPRS R-118-N/15

Sci - Eng - Geography

Feb 61

139,709

Capacitance of Varicap and  $\Delta$  Distribution of Ionized  
Impurities in its p-n Junction, by A. I. Bhestapalov,  
V. I. Samoylenko, 23 pp.

RUSSIAN, per, Investiya Vyschikh Ucheb Zave  
MF1580 SSR po Razdelu Radiotekhnika, Vol V, No 6,  
1962, pp 688-689.

JPRS 19400

Sci - Eng  
Jun 63

231,607

The Mechanism of Heterogeneous Catalytic Isomerization of Hydrocarbons by Acid Catalysts. II Mechanism of Formation of Terpinolene and Terpinenes by Catalytic Isomerization of Pinene and Limonene by Titanic Acid, by G. A. Rudakov, M. M. Shestakova, A. T. Marchevsky, Z. S. Khomenko, 4 pp.

Full translation.

RUSSIAN, no per, Zhur (Zhukh Khim, Vol XXIV, No 8, 1954, pp 1452-1456. CIA C 41477

33,316  
Consultants Bureau

Scientific - Chemistry  
Apr 56 CTS/dex



TT-65-64218

Field 20K

Shesterikov, S. A.  
UNIAXIAL CREEP WITH FLUCTUATING STRESSES. 1965,  
6p, 5 refs. CE-Trans-3892.  
Order from CFSTI, SLA, or ETC: HC\$1.10, MF\$0.50  
as TT-65-64218

Trans. of Akademiya Nauk SSSR. Izvestiya. Mekhanika  
i Mashinostroenie, n2 p148-52 1961.

I. Central Electricity  
Generating Board  
London (England)

Diffraction of Electromagnetic Waves by a Plane  
Metallic Grating Lying on a Dielectric Layer, by  
O. A. Tret'yakov, V.P. Khostopalov, 1963

RUSSIAN, per, Iz Vysokikh Ucheb Zaved Radiofiz,  
Vol VI, No 2, 1963, pp 353-363.

322 J75241869

Sci  
Nov 63

243,101

VIL'NYUS ELECTRIC WELDING EQUIPMENT PLANT MAKES  
GREAT STRIDES FORWARD, BY YE. DNESTOV, 5 PP.

RUSSIAN, NP, SOVIETSKAYA LITVA, 7 MAY 1963.

JPRS 20305

USSR-ECON  
JULY 63

837.076

(SF-1000)

A Comparative Electron Microscope Study of the  
Structure of the Epithelium of Mammalian and  
Amphibian Duodenum, by N. M. Shestopalova, A. A.  
Avakyan, V. N. Reingol'd, 20 pp.

RUSSIAN, per, Tsitologiya, Vol III, No 2, Mar/Apr 1961  
pp 125-136.

JPRS 13405

Sci - Biol

178,417

Jun 62

DIFRACTION OF ELECTROMAGNETIC WAVES IN A PLANE METAL  
GRATING WITH A SCREEN, BY A. I. ADONINA,  
V. P. SNESTOROV, ET AL., 12 PP.

RUSSIAN, PER, RADIOTEXN I ELEKTRON, VOL VIII, NO 6,  
1963, PP 550-558.

.SPRS 21329

ELECTR  
OCT 63

7  
344,053

Strontium in the Ground Waters of Low Salinity  
in the Middle Pre-Urals, by A. M. Kropachev,  
T. S. Kropacheva, I. I. Shestov, 5 pp.

RUSSIAN, per, Geokhiz, No 1, 1959, pp 93-95.

Geochem Soc

Sci

112, 556

Cat: 61

<p><u>Shestakovskaya, G.</u> EXPERIMENT IN COMPILATION OF A MAP OF THE MURMANSKAYA OBLAST AT A SCALE OF 1:750,000. Trans. on Soviet Geodesy 1925-40. 12 Jan 61, 5p. JPRS: R-118-N/15. Order from OTS \$0.50</p> <p>Trans. of Geodesist (USSR) 1940 [v. 16] no. 5, p. 71-74.</p> <p>(Earth Sciences--Geodesy, TT, v. 5, no. 6)</p>	<p>61-11809</p> <p>I. Mapping--USSR I. Shestakovskaya, G. II. Title: Soviet... III. JPRS-R-118-N/15 IV. Joint Publications Research Service, New York</p> <p>Office of Technical Services</p>
---	---

(CSO: 1840-N)

West Siberian Railways Being Rapidly Modernized,  
by A. Shastakov, 3 pp.

NP  
RUSSIAN, ~~Per~~, Gudok, Moscow, 7 Jun 1962, p 3.

JPRS: 15,206

KE  
USSR  
Econ  
Sep 62

211,023



122  
The Problem of the Penetrability of Birds  
Wings, by G. S. Shestakova  
RUSSIAN, per, Tr. Inst. Mirof. Zhivot. Vol 9,  
1953, PP 14-30.  
BLL Ref: 5207 (1143)

G. S. SHESTAKOVA

Sci-Propulsion & Fuels  
Aug 68

362,145

A Study of the Role of Microorganisms in the  
Uptake and Release of Phosphorus and Sulfur by  
Seedlings of Maple, Oak and Ash, by A. I. Akhrom-  
niko, V. A. Shastakova, 8 pp.

RUSSIAN, per, Mikrobiol, Vol XXVII, No 1, 1958,  
pp 67-74.

Amer Inst of Biol Sci

Sci - Biology

Jan 59

80,167

Isolation of Camphene From Solutions in Pinene  
with Retention of its Optical Activity, by G. A.  
Rudakov, M. M. Shestayeva, 6 pp.

RUSSIAN, per, Zhur Prikl Khim, Vol XXX, No 1, 1957,  
pp 169-172.

Consultants Bureau

Sci - Chem

Jun 5b

45,529

Catalytic Conversions of Terpenes. VIII. Isomerization  
Conversions of Terpinolene in the Presence of Titanic  
Acid, by G. A. Rudakov, M. M. Shestayeva, 4 pp

RUSSIAN, per, Zhur Obshch Khim, Vol XXIX, No 6, 1959,  
pp 2096-~~21~~ 2099.

Consultants Bureau

Sci - Chemistry

122,028

Investigation of the Nature of Catalysts Used for the  
Isomerization and Polymerization of Hydrocarbons, II.  
The Catalytic Properties of Silicic Acid, by G. A.  
Rudakov, M. M. Shestayeva, 6 pp

RUSSIAN, per, Zhur Obshch Khim, Vol XXIX, No 6, 1959,  
pp 2062-2067.

Consultants Bureau

Sci - Chemistry

122,036

Use of the Diene Synthesis Reaction with Maleic Anhydride,  
by G. A. Rodakov, M. M. Shastayeva, 5 pp.

RUSSIAN, no per, Zhur Prii Khim, Vol XXVIII, No 11,  
Nov 1955, pp 1199-1204. CIA C 43056

Consultants Bureau

Sci - Chemistry

36,902

Aug 1956

Catalytic Transformations of Terpenes. VII. Preparation  
of Optically Pure  $\alpha$ -Pinene From  $\beta$ -Pinene, by G. A.  
Rudakov, M. M. Shestakova, 6 pp.

RUSSIAN, no par, Zhur Obshch Khim, Vol XXVI, No 8,  
1956, pp 2357-2361.

Consultants Bureau

Sci - Chem

56,548

Dec 57

Physical Properties of Camphene, by G. A. Rudakov, M. M. Shestakova, 4 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXVI, No 8, 1956, pp 2362-2364.

Consultants Bureau

Sci - Chem

Dec 57

56,550



Preliminary Analysis of Radio Beacon Drift in the  
Arctic Seas, by N. P. Shesterikov, 8 pp.

RUSSIAN, per, Problemy Arktiki, No 2, 1957,  
pp 85-91. 9658706

Amer Meteorol Soc  
A/P Cambridge Res Center

Sci - Geophysics

Feb 60

107,653

Variations of Sea Level in the Mirnyy Area, by  
H. P. Shesternikov.

RUSSIAN, per, Informant Byull Sovet Anarticheskaya  
Ekspeditsiya, No 11, 1959, pp 29-32.

Univ of Ws Wisconsin  
(RAF)

Sci - Geophysics  
Apr 60

113,880

<p>Shesternikov, S. A. ON A VARIATIONAL PRINCIPLE IN THE THEORY OF CREEP (Ob Odnom Variatsionnom Principe v Teorii Polzuchesti). 6 Oct 59, 2p. 1 ref. [DSIR LLU] M 1678.</p>	<p>61-13509</p>
<p>Order from OTS or SLA \$1.10</p>	<p>61-13509</p>
<p>Trans. of Akad[emiya] Nauk SSSR. Otdel[eniye] Tekh- [nicheskikh] Nauk. Izv[estiya] 1957, no. 2, p. 122-123.</p>	<p>I. Shesternikov, S. A. II. DSIR LLU M.1678</p>
<p>DESCRIPTORS: *Creep, Mathematical analysis, *Stresses.</p>	<p>DSIR LLU M.1678</p>
<p>(Physics--Solid State, TT, v. 6, no. 1)</p>	<p>Office of Technical Services</p>
	<p>PR-</p>

Acyl Derivatives of Barbiturates, Hexamidine and  
Diphenyl Hydantoin, by L. P. Kulev, A. A. Shesterova.

4pp:

4  
RUSSIAN, per, Zhur Obshch Khim, Vol XXXI, No 4, 1961.  
pp. 1378 - 1380

CB

196,726

Sci  
Apr 62

Fractionation of Spores by Centrifugation, by  
K. N. Shestoboyev, 4 pp.

RUSSIAN, per, Mikrobiologiya, Vol XXX, No 6,  
1961, pp 1070-1074.

AIRS

Sci  
Aug 62

208,046

A Study of the Methods of Diagnosis of  
Q Fever in Birds, by H. A. Shestochenko,  
6 pp.

RUSSIAN, per, Zhur Mikrobiol, Epidemiol  
i. Immunobiol, Vol XXXI, No 9, 1960,  
pp 25-30.

PP

Sci

*198,413*

Feb 62

On the Number of Simple Bases of Boolean Functions,  
by G. A. Shostakal, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, 1961,  
pp 314-317.

Amer Math Soc

Sci

May 62

193,254

We Are Improving the Work of Telegraph Office,  
by I. A. Shestopal, 10 pp.

RUSSIAN, per, Vest Svyazi, No 2 (275), 1963.

JPRS 19353

*E/c*  
Sci - ~~Commun~~  
Jun 63

231,692



(NY-6659)

Khabarovsk Telegraph Office Is Striving  
For the Title "Communist-Labor Enterprise",  
by I. A. Shestopal, 11 pp.

RUSSIAN, per, Vest Byyazi, No 7, 1961.

JPRS 10704

Sci  
Nov 61

174,253

In the Foundries of Czech<sup>o</sup>lovakia, by V. M.  
Shestopal.

RUSSIAN, per, Lit Proiz, No 12, 1959, pp 5-7.

DSIR LLU.M.2344  
(loan)

Ekur - Czechoslovakia  
Econ  
Jun 61

156,026

Basic Characteristics and Tendencies in the Development of Modern Instruments for Measuring Height of Lower Edge of Clouds, by N. S. Bozhevnikov, L. A. Shestopalov, 13 pp.

RUSSIAN, par, Meteoro i Gl'd, No 5, 1963,  
pp 45-50. 9689142

FTD-TA-63-779

Sci - Earth Sci & Astron  
Dec 63

243,600

Change of Specific Heat of Metals During  
Plastic Deformation, by B. B. Balogurov,  
L. M. Shastepalov, 6 p.

RUSSIAN, per, Fiz. Metal i Metallov, Vol VI,  
No 4, 1958, pp 734-738.

Pergamon Press

Sci  
A  
Apr 60

112,459

Diffusion of Silver in Elastically Deformed Copper,  
by L. M. Shostopalov, Yu. P. Romashkin, 9 pp.

RUSSIAN, per Fiz Tverdogo Tela, Vol II, No 12,  
1960, pp *2998-3008*

AIP  
Sov Phys - Solid State  
Vol II, No 12

Sci  
Jun 61

*158, 130*

Grain-Boundary Diffusion During the Creep of Copper,  
by Yu. P. Romashkin, L. M. Shestopalov, 9 pp.

RUSSIAN, per, Fiz Tverdogo Tela, Vol II, No 12,  
1960, pp 3029-3039.

AIP  
Sov Phys - Solid State  
Vol II, No 12

Sci  
Jun 61

158, 127

The Evaluation of the Relaxation of Stresses  
in Metals, by L. M. Shustovskoy, 23 pp.

RUSSIAN, no per, Zhur Tekh Fiz, Vol XXVI, No 5, 1956,  
pp 1021-1033.

ASHB-GB61  
Sci. Mus Lib No 56/2811

Sci - Metals

Am. Inst. of Phys.  
Vol 3, No 5, Sov. Phys.  
Technical Phys.

43,439

D.S.I.R. /28191

Investigation of Helix-Anisotropic Dielectric and  
Helix-Ribbed Structure Slow-Wave Systems, by I. V.  
P. Shestopalov, V. A. Silyusarskiy, 11 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXIX, No 11, 1959,  
pp 1317-1329

Amer Inst of Phys  
Sov Phys-Tech Phys  
Vol IV, No 11

Sci  
Jun 60

117, 704



The Diffraction of Electromagnetic Waves by a Plane  
Double Metallic Grating, by O.A. Tretyakov and V.F.  
Shestopalov, 8 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXXIII, No 10,  
1963, pp 1232-1243.

Jour Inst of Phys  
Sov Phys - J Tech Phys  
Vol VIII, No 10

Sci  
Apr 64

255,902

DIFFRACTION OF ELECTROMAGNETIC WAVES BY A PLANE  
METALLIC GRATING LYING ON A DIELECTRIC LAYER, BY  
O. A. TRET'NIY, V. P. SHOSTAKOV, 19 PP.

RUSSIAN, PER, IZVESTIYE RADIOFIZIKA, VOL VI, NO 1,  
1963, PP 353-363.

JPRS 21869

SI-ELECTRONICS  
NOV 63

218,144